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BYE-42017/65

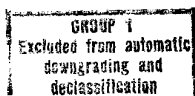
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21 June 1965

MEMORANDUM FOR THE RECORD

SUBJECT: IR Launch Detector Program Review

1. On 10 June 1965, a visit was made to Aerojet General for the purpose of reviewing the program status and to supply new information on zone of coverage for the system.
2. A change in the area of coverage was discovered by OSI personnel while performing an analysis on the motion discrimination portion of the effort. The change in coverage was required in order that sustainer detection could be possible in all cases. OSI documented the requirement in BYE-35243/65.
3. New information on coverage requirements may cause the optical system to be changed from a three element system to a four element system. This may be necessary in order that image quality at the detectors be maintained over the new increased field of view. The new field of view requires that elevation angles of minus 19 degrees through minus 52 degrees be covered.
4. A schedule slip of one week could result from this requirement. It was felt by AGC management that most of this time can be regained by a priority effort in the optical design department and without OT utilization.
5. Layout of the window in the chine box had been completed, but will require slight modification due to the new "look angle" requirement.
6. Initial thermal analysis is underway. AGC requested that a meeting between Lockheed, Air Research, Aerojet, and the customer be scheduled during the week of 21 June. The purpose of the meeting is to coordinate cooling requirements with Air Research and establish working arrangements and cooling feasibility.



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7. Mechanical layout of the scanner has resulted in a smaller and lighter weight unit than had been anticipated in the proposal.

8. A strike by certain unionized shop personnel has been in effect at the Azusa plant for about two weeks. It appears that the program will not be delayed if the strike does not extend over an additional four to six week period. Draftmen, technicians, designers and engineers are not unionized, and therefore the "critical personnel", at this stage of the program, are available.

9. Summary. Except for the slight transient caused by the revised field of view requirement, the program appears to be on schedule. Initial analysis tends to indicate that the severe thermal problem does have a reasonable solution. Layout of the scanner indicates that a reduction in size and weight will be realized.

SIGNED

[Redacted Signature Box]

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